

Amendments to the Specification:

Please replace the last paragraph, line 22, page 1, continuing at line 1, page 2, with the following amended paragraph:

a1
With respect to this, Japanese Patent Applications Laid-open No. Toku-Kai-Hei 5-114099 and No. Toku-Kai-Hei 5-26554265547 disclose a technique in which variations of output image signals which are caused by the difference of the output characteristic of stereoscopic cameras and the like, are corrected by referring to a lookup table. The lookup table is for changing gains and offset amounts of image signals and is stored in ROM of the system. Analogue image signals outputted from each camera are adjusted by the lookup table after being converted into digital signals by A/D converter. Thus, variations of image signals are corrected and the accuracy of the stereo matching is raised.